

Message

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**From:** Diem, Art [Diem.Art@epa.gov]  
**Sent:** 8/21/2020 9:30:31 PM  
**To:** Strum, Madeleine [Strum.Madeleine@epa.gov]; Houyoux, Marc [Houyoux.Marc@epa.gov]  
**Subject:** RE: David - Please review

Marc, Madeleine,

I looked at the TRI data for the 25 high priority facilities in the management alert.

Sterigenics in GA only had 2019 data

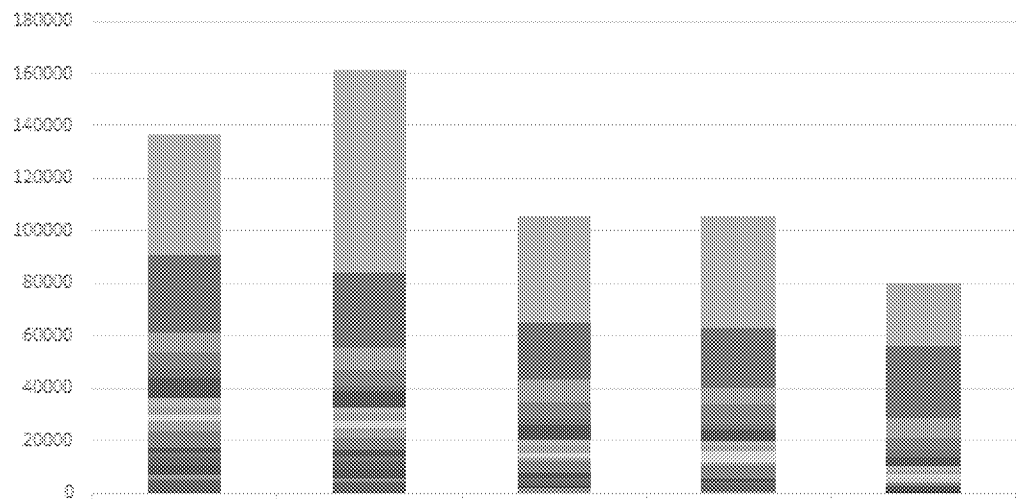
Sterigenics in Willowbrook had only 2015 and 2016 data

No TRI data from: Medline in IL, Shell Technology Center Houston, or Sterigenics Santa Teresa NM.

There are many other facilities with higher TRI reported EtO than some of the 25 High Priority facilities.

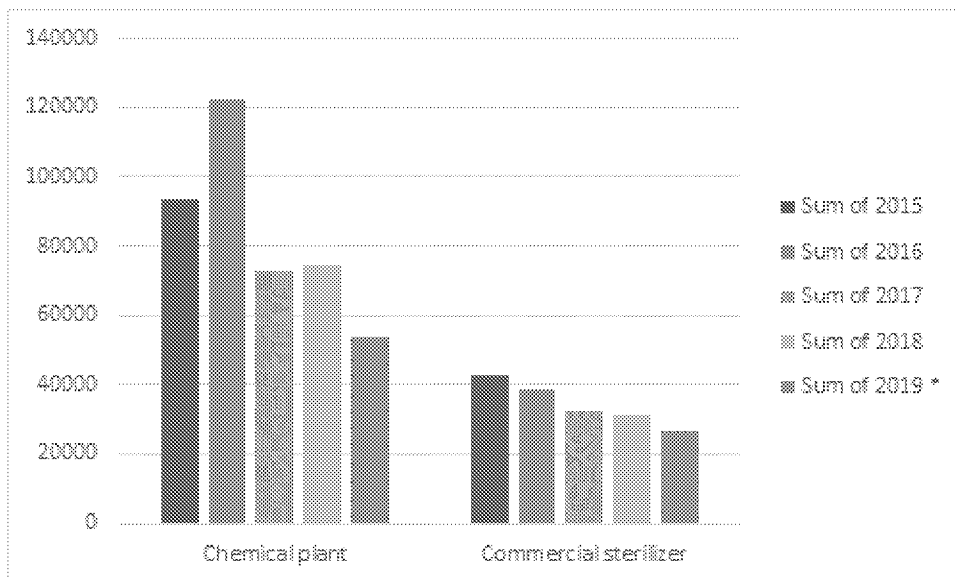
Here's a chart with data table

## TRI Air Releases of Ethylene Oxide (2015 - 2019) from 25 High Priority Sources (lb)



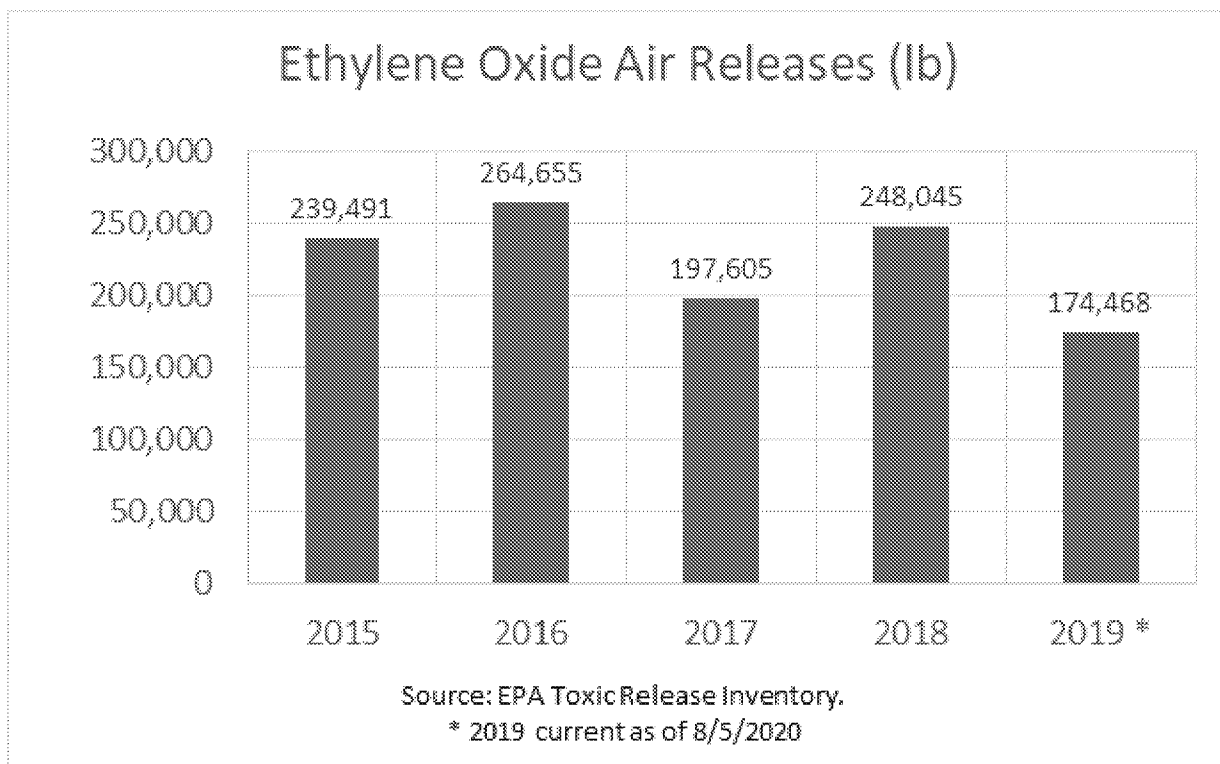
	2015	2016	2017	2018	2019 *
■ Huntsman, Port Neches Operations Port Neches, TX	45784	77248	40609	42822	24584
■ Midwest Sterilization Corp. Laredo, TX	17775	14791	14845	15112	18390
■ Union Carbide Corp., St. Charles Operations Taft, LA	11971	13683	6651	7823	10892
■ Eastman Chemical Texas Operations Longview, TX	7916	8534	8916	6216	7551
■ Midwest Sterilization Corp. Jackson, MO	6511	6561	6067	7386	4706
■ Sasol Chemicals (USA) – Lake Charles Chemical Complex Westlake, LA	3146	1496	2105	2237	3176
■ B Braun Medical Inc. Allentown, PA	7600	6366.2	5900	4664	2791
■ Solvay USA (Lanxess) Charleston, SC	2867	2151	2297	1542	1668
■ Air Products Performance Manufacturing Inc. – Reserve Plant (Evonik Materials Corp.) Reserve, LA	3185.27	3215	2571	1820.25	1658
■ Croda New Castle, DE	2880.2	2654.2	2317.5	4885	1293.3
■ Griffith Micro Science Inc. (Sterigenics) Smyrna, GA					1057
■ BCP Ingredients – Verona Plant Verona, MO	3665	3665	727	907	988
■ Union Carbide Corp. – Institute Institute, WV	6157	4744	4747	4304	901
■ Union Carbide Corp. – South Charleston Facility South Charleston, WV	1397	1385	1441	1552	769
■ C R Bard (Becton, Dickinson, and Co.) Covington, GA	771.2	726.9	657.4	656.3	601.2
■ Edwards Lifesciences Corp. Anasco, PR	1702.87	2297.09	599	580	340
■ Terumo BCT Sterilization Services Lakewood, CO	2413	2759	2544	2467	525
■ BCP Ingredients St. Gabriel, LA	4043	3176	53.8	48	198
■ Taminco US (Eastman Corp.) St. Gabriel, LA	224.5	165.65	161.46	159.91	191
■ Air Products Performance Manufacturing (Evonik) Milton, WI	639	240	649	167	158.96
■ Medtronic Sterile Systems Operation (Mant Medical) Grand Rapids, MI	1347	1294	1251	378.39	152.98
■ Sterigenics Santa Teresa Facility Santa Teresa, NM					
■ Shell Technology Center Houston Houston, TX					
■ Medline Industries, Northpoint Services Division Waukegan, IL					
■ Sterigenics US Willowbrook, IL	4699	4205			

Below is the same data for these facilities by summed industry type



**From:** Diem, Art  
**Sent:** Friday, August 21, 2020 3:02 PM  
**To:** Strum, Madeleine <Strum.Madeleine@epa.gov>  
**Cc:** Houyoux, Marc <Houyoux.Marc@epa.gov>  
**Subject:** RE: David - Please review

Chart without "(est. 98% complete)" in bottom note for 2019, which may be distracting.

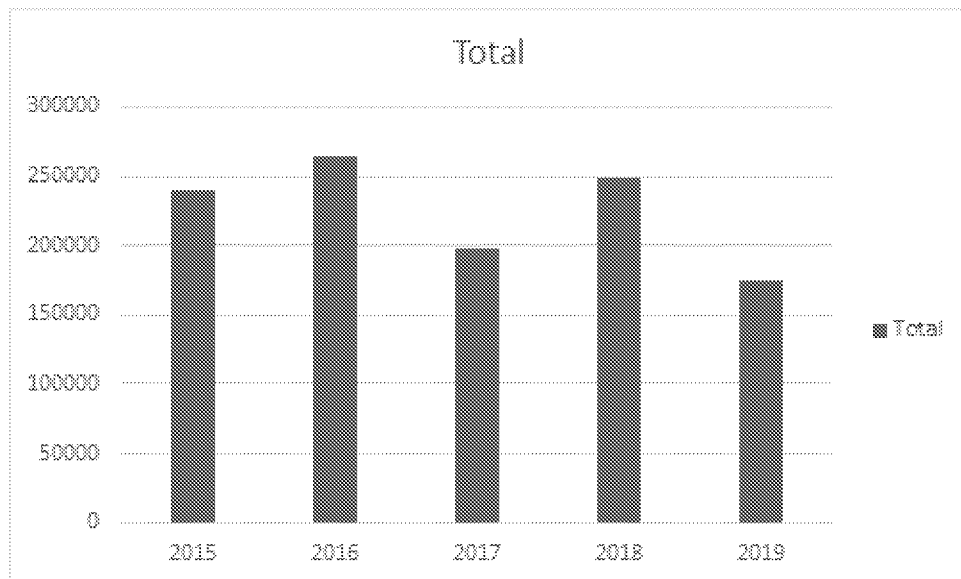


**From:** Strum, Madeleine <Strum.Madeleine@epa.gov>  
**Sent:** Friday, August 21, 2020 12:28 PM  
**To:** Diem, Art <Diem.Art@epa.gov>  
**Cc:** Houyoux, Marc <Houyoux.Marc@epa.gov>

**Subject:** FW: David - Please review

**Importance:** High

Art – using [https://enviro.epa.gov/facts/tri/form\\_ra\\_download.html](https://enviro.epa.gov/facts/tri/form_ra_download.html) and then putting results in excel here's what I got



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## Data Selection

Enter search criteria by selecting Search Options and entering Search Values for the appropriate column names below.

Column Name	Search Option Help!	Search Value
<u>TRI Facility Id</u>	Equal to ▼	<input type="text"/>
<u>Facility Name</u>	Equal to ▼	<input type="text"/>
<u>Document Control Number</u>	Equal to ▼	<input type="text"/>
<u>Reporting Year</u>	Greater than ▼	2014
<u>Chemical Name</u>	Equal to ▼	ethylene oxide
<u>TRI Chemical Id</u>	Equal to ▼	<input type="text"/>
<u>City Name</u>	Equal to ▼	<input type="text"/>
<u>County Name</u>	Equal to ▼	<input type="text"/>
<u>State Abbreviation</u>	Equal to ▼	<input type="text"/>
<u>ZIP Code</u>	Equal to ▼	<input type="text"/>
<u>Region</u>	Equal to ▼	<input type="text"/>

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I selected "Air Total Release"  
In the Output Selection.

Did you get this?

I really need to be off the computer now...

Madeleine

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**From:** Strum, Madeleine  
**Sent:** Friday, August 21, 2020 12:04 PM  
**To:** Diem, Art <Diem.Art@epa.gov>  
**Cc:** Houyoux, Marc <Houyoux.Marc@epa.gov>  
**Subject:** FW: David - Please review  
**Importance:** High

I'm out rest of day. Looks like they need a national EtO trend from TRI. Can you run [https://enviro.epa.gov/facts/tri/form\\_ra\\_download.html](https://enviro.epa.gov/facts/tri/form_ra_download.html) report with 2015 thru 2019 – national to see the trend in air releases? Or if you have a better way to get a TRI trend...

Thanks

Madeleine

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**From:** Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>

**Sent:** Friday, August 21, 2020 10:47 AM

**To:** Strum, Madeleine <[Strum.Madeleine@epa.gov](mailto:Strum.Madeleine@epa.gov)>; Sarsony, Chris <[Sarsony.Chris@epa.gov](mailto:Sarsony.Chris@epa.gov)>

**Cc:** Houyoux, Marc <[Houyoux.Marc@epa.gov](mailto:Houyoux.Marc@epa.gov)>; Davis, Alison <[Davis.Alison@epa.gov](mailto:Davis.Alison@epa.gov)>; DeLuca, Isabel <[DeLuca.Isabel@epa.gov](mailto:DeLuca.Isabel@epa.gov)>; Rimer, Kelly <[Rimer.Kelly@epa.gov](mailto:Rimer.Kelly@epa.gov)>

**Subject:** FW: David - Please review

## Ex. 5 Deliberative Process (DP)

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**From:** Hoverman, Taylor <[hoverman.taylor@epa.gov](mailto:hoverman.taylor@epa.gov)>

**Sent:** Friday, August 21, 2020 10:25 AM

**To:** Moor, Karl <[Moor.Karl@epa.gov](mailto:Moor.Karl@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>

**Cc:** Idsal, Anne <[idsal.anne@epa.gov](mailto:idsal.anne@epa.gov)>

**Subject:** RE: David - Please review

Team OAR –

Thank you for the quick turnaround on these. Can the team go ahead and begin drafting a letter response that would answer these questions? I think this is going to be a quick turnaround with a goal of having a response ready to send early next week.

Please call me with any questions.

Thanks again for your help with this!

Taylor Meredith  
Senior Advisor to the Administrator  
U.S. Environmental Protection Agency  
C: 202-494-3662  
O: 202-566-2705

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**From:** Moor, Karl <[Moor.Karl@epa.gov](mailto:Moor.Karl@epa.gov)>  
**Sent:** Friday, August 21, 2020 8:30 AM  
**To:** Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>  
**Cc:** Idsal, Anne <[idsal.anne@epa.gov](mailto:idsal.anne@epa.gov)>; Hoverman, Taylor <[hoverman.taylor@epa.gov](mailto:hoverman.taylor@epa.gov)>  
**Subject:** Fwd: David - Please review

Mike, sorry, I did not convey the timeline clearly yesterday, my fault.

Regards, Karl

Begin forwarded message:

**From:** "Hoverman, Taylor" <[hoverman.taylor@epa.gov](mailto:hoverman.taylor@epa.gov)>  
**Date:** August 20, 2020 at 17:07:26 EDT  
**To:** "Moor, Karl" <[Moor.Karl@epa.gov](mailto:Moor.Karl@epa.gov)>  
**Cc:** "Idsal, Anne" <[idsal.anne@epa.gov](mailto:idsal.anne@epa.gov)>  
**Subject:** Re: David - Please review

Hi Karl,

Doug just called me to check in on the status of this. As I mentioned earlier, he wants to see something today. How are you guys coming along? Remember this is just a list of questions at this point, not the responses.

Give me a call with any questions.

Taylor Meredith  
202-494-3662

Sent from my iPhone. Please excuse typos or brevity.

On Aug 20, 2020, at 11:49 AM, Moor, Karl <[Moor.Karl@epa.gov](mailto:Moor.Karl@epa.gov)> wrote:

Taylor, this correction is just an FYI but a good example of what can and should be done to set the record straight. Anne and I have talked and David & I are going to be talking to Mike Koerber per our discussion. Regards, Karl

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**From:** Harlow, David <[harlow.david@epa.gov](mailto:harlow.david@epa.gov)>  
**Sent:** Thursday, August 20, 2020 10:32 AM  
**To:** Cory, Preston <[Cory.Preston@epa.gov](mailto:Cory.Preston@epa.gov)>

**Cc:** Idsal, Anne <[idsal.anne@epa.gov](mailto:idsal.anne@epa.gov)>; Moor, Karl <[Moor.Karl@epa.gov](mailto:Moor.Karl@epa.gov)>; Dominguez, Alexander <[dominguez.alexander@epa.gov](mailto:dominguez.alexander@epa.gov)>; DeLuca, Isabel <[DeLuca.Isabel@epa.gov](mailto:DeLuca.Isabel@epa.gov)>  
**Subject:** FW: David - Please review

Preston,

See below for the language in question. Thanks.

**David S. Harlow**  
**Senior Counsel**  
**Office of Air and Radiation, USEPA**  
**WJC-N Room 5409K**  
**1200 Pennsylvania Avenue NW**  
**Washington, DC 20460**  
**202-564-1233**  
[Harlow.David@epa.gov](mailto:Harlow.David@epa.gov)  
**5 U.S.C. § 3331**

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**From:** Harlow, David  
**Sent:** Thursday, August 20, 2020 10:26 AM  
**To:** Davis, Alison <[Davis.Alison@epa.gov](mailto:Davis.Alison@epa.gov)>  
**Cc:** DeLuca, Isabel <[DeLuca.Isabel@epa.gov](mailto:DeLuca.Isabel@epa.gov)>  
**Subject:** RE: David - Please review

Alison,

This looks great to me. I'm planning on sending this to Preston, to see if she thinks we should shop this to the OPA politicals. If so, and if they'd like to pursue the correction, I guess they'll take it from there. At least, I think that's how it works.

I really appreciate your putting this together for us. It's spot on, just what I had in mind.

**David S. Harlow**  
**Senior Counsel**  
**Office of Air and Radiation, USEPA**  
**WJC-N Room 5409K**  
**1200 Pennsylvania Avenue NW**  
**Washington, DC 20460**  
**202-564-1233**  
[Harlow.David@epa.gov](mailto:Harlow.David@epa.gov)  
**5 U.S.C. § 3331**



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**From:** Davis, Alison <[Davis.Alison@epa.gov](mailto:Davis.Alison@epa.gov)>  
**Sent:** Thursday, August 20, 2020 10:18 AM  
**To:** Harlow, David <[harlow.david@epa.gov](mailto:harlow.david@epa.gov)>  
**Cc:** DeLuca, Isabel <[DeLuca.Isabel@epa.gov](mailto:DeLuca.Isabel@epa.gov)>  
**Subject:** David - Please review  
**Importance:** High

Here is the text with edits from Mike on the Politico error and our proposed correction text  
This is the error:

**Context:** Just two weeks after Benevento sent the IG his updated plan, EPA finalized an air toxics rule that will require chemical manufacturing plants to upgrade their emissions controls for ethylene oxide. The rule requires plants to plug emissions leaks, but still allows facilities to emit the chemical at levels that pose twice the health risk to local communities EPA typically considers acceptable.

**Draft Correction:**

In your story, you wrote that the air toxics rule for Miscellaneous Organic Chemical Manufacturing “allows facilities to emit the chemical at levels that pose twice the health risk to local communities EPA typically considers acceptable.” This is not correct. As a result of EPA’s amendments to the rule at all but one of the about 200 affected facilities covered by the rule, the maximum risk of cancer from a lifetime of exposure to ethylene oxide or other air toxics is expected to be lower than 1 in 10,000 (100 in 1 million). 1 in 10,000 is the level EPA generally uses in its risk reviews of air toxics rules as one of several factors to determine whether additional controls are necessary, but this is not a regulatory number. During EPA’s review of the rule, no other safe controls were identified that would further reduce risks for that one facility.